Receiving Report Date: Dart P/O: Supplier: Release Note Attached: Packing Slip: Yes Waybill Attached: Yes Invoice: Shipment Complete: Receipt: Cash QC6 Inspection N/A Work Order Discrepancies Quantity Quantity Quantity Quantity Part Comments Description Short Returned Ordered Received Number U Initials of receiver (if shipment OK) Level 12 Production/Admin: Location Received/Costing Initial H:\FORMS\Purchasing\approved purch\RECREPORT Rev D

Purchase Order Receipt Listing

Monday, March 19, 2012 7:25:13 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO16444 Receipt Dates from 3/19/2012 to 3/19/2012 All Line Item Types All Item ID/GL/WOs All Rec. Employees All Currencies Grouped by Vendor ID

Pertiphion Properties Pro	t Value:	Total Receipt Value: Total Balance Due Quantity:	То							
Description Stock U/M Required Qty Date/ Cert Stul Part Pro U/M	uantity:) U/M): antity:	Total Received Qu Qty to Inspect (PC		ومسر			چې			-5
Precipitor Precipitor Procedure Pr	•	 						121070	i	
Description Stock U/M Required Qty Data/ Recy Emp Qty Recy Value Rejected Qty MRB Rejected Q		0.0000	\$46.79			24.	R 1.00" f	ROUND BA	Z `	
Description Stock U/M Required Qty Date Date Cert Std		0.0000	\$1.95	24.0000		3/23/	.000 · f	M6061T6R1	7	
Cert Std Cock U/M Required Qty Date Date Cert Std Ce								121070		
Corr Std Stock U/M Required Qty Date Qty Recv Value Rejected Qty Recv Emp Qty Recv Value Rejected Qty Qt		0.000	. \$231.71			12.	2.50 x f	6061-T6 Bar	No	
Corr Stock U/M Required Qty Date/ PO U/M Po U		0 0000	¢241 71					500		
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Cert Std								121070		
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Cert Std	;))					121070		
Part Protection Stock U/M Required Qty Pate Protection P		0.000	\$8/9.05			192.		304/316 She	No	
Cert Std		0.0000	\$4.58	192.0000	3/	3/23/2		M304S16GA	4	
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VC-COP001 Thyssenkrupp Materials CA Ltd 3/23/2012 3/19/2012 24.0000 ESS/02 24.0000 \$3.96 0.0000 121070 M303R1.000 f 3/23/2012 3/19/2012 12.0000 12.0000 \$7.03 0.0000 303 Round Bar 1.00 f 3/23/2012 3/19/2012 12.0000 \$7.03 0.0000 M303R1.000 f 3/23/2012 3/19/2012 12.0000 \$7.03 0.0000 303 Round Bar 1.00 f 3/23/2012 3/19/2012 12.0000 \$84.31 0.0000	_)					121070		
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Description/ Stock U/M Required Qty Date/ PO U/M) Cert Std VC-COP001 Thyssenkrupp Materials CA Ltd M303R0.750 f 3/23/2012 3/19/2012 24.0000 \$3.96 0.0000		0.0000	\$95.03			24.0	ar 0.750 f	303 Round B	No	CAD
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Description/ Stock U/M Required Qty Date/ Qty Recv Value Rejected Qty MRB Re Cert Std (PO U/M) (PO U/M)									Req	Curi Type
Project Clicc)	MRB Reject Qty		Recv Value	Qty (PO U/M)	Recv	Required Qty	Stock U/M	Project ID Ketel elice/ Description/ Cert Std	Nbr/	Purchase Order ID/

0

	Tel: 613-632-9577 Fax: 613-632-1053
HAWKESBURY, ON KGA 1K7	HAWKESBURY, ON K6A 1K7
1270 ABERDEEN ST	1270 ABERDEEN ST
DART AEROSPACE	DART AEROSPACE
Sold To: (20115)	(L) :OT qids
SIp SLYN INERS (905-532-1350)	
Vhcle Trailer	
Route 0- 0 Manifest	
Fre PREPAID	Tel: 905 669 9444 Fax: 9057389033
LOB CONCOKD	CONCORD, ONTARIO L4K 5C6
Via VIM TRANSFER	2821 LANGSTAFF ROAD
Probill	THYSSENKRUPP MATERIALS UA
Ship Date 19Marl2 at 9:44 From PFW	Sprd drus 🗢
I N C NO: DEC 128034	BIDDOETBDD
	- 1987 - 1987

98 74 EL 609L7 **3 b k 8** MF TBR **BCS** Quantity Tag No Heat Number STAINLESS STEEL ROUND BAR 303 STAINLESS .750" DIA X 144.0000" 1) Our Order PEC-430287- 1 Your PO # 16444 O E PRDING BIPP

Z XOUY PO # 16444

0T9L7 BORS Tag No Heat Number "0000.PAL X AIG "00.L STAINLESS STEEL ROUND BAR 303 STAINLESS

"0000.36 X "0000.84 X moV 00SI. STAINLESS STEEL SHEET 304-2B 3) Ont Order PEC-430287-3 XOUX PO # 16444

07447 Tag No Heat Number

B3827-4000

STAINLESS STEEL SHEET 304-2B 4) ONT ORGER PEC-430287-# AONE BO # 16444

97574 300212 Tag No Heat Number

ALUMINUM FLAT BAR 6061-T6511 2) Ont Order PEC-430287- 5 Your PO # 16444

TT9L7 HK299 078 Tag No Heat Number .50" x 5.00" X 144.0000"

1Continued rage:

S) ONK OKGEK BEC-430587-

DC2

MTR

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T92.00 SFT

Quantity

32.00 SFT

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MF FBR

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ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY RAPPORTÉES IMMÉDIATEMENT. TOUTES ERREURS ETVOU MARCHANDISES MANQUANTES DOIVENT ÉTRE

MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT

MF IBS **DGS** VaraneuQ Tag No Heat Number 2.50" x 3.50" X 144.0000" ALUMINUM FLAT BAR 6061-T6511 e xonr po # 16444 e) ont order PEC-430287-T W D I M G ======== DART AEROSPACE DART AEROSPACE :oI blos (SITOZ) :OT qial **SLYN** INEKS (802-235-1320) dŢS Trailer лусть O Manifest Route PREPAID Frt Tel: 905 669 9444 Fax: 9057389033 CONCORD LOB CONCORD, ONTARIO TTK 2Ge VIM TRANSFER ΔiV **2821 LANGSTAFF ROAD** Probill THYSSENKRUPP MATERIALS UA 9:44 From PFW 19Marl2 at Ship Date : gyṛb Łkom: **DEC 12803** ₹ : OM ING Q A J OE BILLL

7 **BC**2 Tags

Z4 FT

TH LL

Quantity

808

PBS

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SZI

MF TBS

: JATOT

*** Chemical Analysis

ET9L7

2191

Tag No

7 YOUR PO # 16444

3DK8 300212 Heat Number

B9857-4000 BORS

0T060T00Z PI.000082 HK399 078

WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR MITT LEST REPORTS, PACKING SLIPS ARE TO SENT

ATTN: CHANTAL/LINDA TO SHIPPING

PI.000082

0T060T00Z

ALUMINUM ROUND BAR 6061-T6511

1.000 TIA X 144.0001

1) Our Order PEC-430287-

Heat Number

** KELEKENCED ON IL ** ** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER

ILEW (3) SKID
LOLYT J BDT' S SKIDS G'M 1008 FBS

SContinued Page:

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT, ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY THEMETAIGÉMINI SEÈTROGAR TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÉTRE

MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER,

BTA

BIPPOE

Ship From: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD OWTABLO LANGEGE

2871 IPNGSTAFF ROAD CONCORD, ONTARIO L4K 5C6 Tel: 905 669 9444 Fax: 9057389033

Ship To: (1)

ADDED TO EVERY ORDER.***

ILEW (4) SKID
BILL OF LADING

**** TEL. 800-926-2600 ****

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA

**** TEL. 800-926-2600 ****

DART AEROSPACE

dIS

Frt

LOB

ΝŢЯ

LADING

Probill

Ship Date

лусте

Воисе

sold To: (20115)

PREPAID 0 - 0

CONCOKD

VIM TRANSFER

ZLYN INEKS (602-233-1320)

O Manifest

19Marl2 at

Trailer

ON

9:44 From PFW

DEC 12803₹

* PLEASE LET US QUOTE YSTATE TEQUIREMENT **

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE

Page: 3 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÉTRE RAPPORTES IMMÉDIATEMENT. ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STANLESS STEL SHEET 304-2B .1200 Nom X 48.0000" X 96.0000" PART NO.

PO/Rel 16444

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

19Mar 12 Pg 2/3

Certificate of Mill Test Results BL PEC-758034-003

高雄市前金區中正四路 235 號 13F 13-F, No. 235, Jungjeng, 4th Road

運鋁鋼鐵股份有限公司

¥	YUEN CHANG STAINLESS STEEL CO., LTD.	NG ST	VINLES	S STEEJ	r.co.,r	E.	INSI 配	ECTION 日類(ISSUE	INSPECTION CERTIFICATE 列印用數(ISSUE DATE): 2011/09/30	ICATE 1/09/30	Chianjin	Chianjin Chiu, Kaohsiung, Taiwan.	ung, Taiwan.		
₩3	答戶名稱 Customer	Glob 1150 Opta	Global Staink 1150 Meyersi Ontario, Can	nless Steel Inc. side Drive, Mississauga, anada, LST 134	Inc., Mississ	auga,				OR	ORIGINAL	;	PO No.: 82518 Shipment No.: 4970	18 0.: 4970	
通田 Irem		資格編號 Coil No			Hea	旋 對 Heat No.	Se	解類 Steel Grade	表面 Finish	產 Thickne	產品尺寸(MM) Thickness x Width x Length	d) : Length	净重(KG) Net Weight	(KG) /eight	
52	≥	KA10505150E10-2	50E10-2		AZII	A2101743		304	2B	1.5	1.50 × 1219 × 3048	048	1,842	42	
16		H4886-2	6-2		B985	B9857-4000		304	28	3.0	3.00 x 1219 x 3048	048	1,1	1,128	1
						:			:						
				-											
				-			_								
		**	化學成份	83	S	Chemical Composition	ompositic	(%) uc		藜	機械性質	Mecha	Mechanical Properties	ies	
西															
Ш										机拉缩度	降伏強度	おお金	硬度	原政	
Item	ပ	ૹૼ	Ma	ፈ.	S	ర	 泛	z	· · · · · · · · · · · · · · · · · · ·	T.S N/MM²	Y.S(0.2%) N/MM ²	Elong (%)	Hardness HRB	Hardness 11V	
15	0.050	0.320	1.170	0.037	0.001	18.200	8.000	0.040		. 658	122	58.0	79.5	,	
16	0.046	0.414	1.195	0.033	0.003	18.075	8.063	0.054		640	274	56,3	84.2	•	
												2			
及證明. We here	茲證明本表所列產品,均依材料) We hereby certify that the products	E品·特 hat the pr	次材料規 roducts de	格製造及 escribed h	武殿,出 erein haw	机格製造及試験,並符合規格之要求。 described herein have been manufactured	大類水 nufactured	現格製造及試験,並符合規格之要求。 described herein have been manufactured and tested with	Đị.		TS	ERL, CO.	TUEN CHANG STAINLESS. STEEL, CO., LTD.	LBSS.	
Catactor		ID SCCOII					e Malerian		.•			•		-	

Satisfactory results in accordance with the requirement of the above material specification.

The material described above is free irradiation and free mercury.

本產品無輻射污染,並且不含汞。

Accordance With ASTM A240 And ASTM A480

THYSSENKRUPP MATERIALS NA STAINLESS STEEL SHEET 304-2B .1200 Nom X 48.0000" X 96.0000" PART NO. DART AEROSPACE

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs. PO/Rel 16444

Signed by:

19Mar12 Pg 3/3

BL PEC-758034-003

運鋁鋼鐵股份有限公司

檢驗證明書

高雄市前金配中正四路 235 號 13F 13-F, No. 235, Jungjeng, 4th Road

Chianjin Chiu, Kaohsiung, Taiwan.

YUEN CHANG STAINLESS STEEL CO., LTD.

INSPECTION CERTIFICATE 列印日期(ISSUE DATE): 2011/09/30

多四夕福	Global Stamless Steel Inc.		FU No.: 82318	
14.4	1150 Meyerside Drive, Mississauga,	ODICINIATI	Shipment No.: 4970	
Customer	Ontario, Canada, L5T 1J4	CINCING		

(を)	各戶名稱 Customer	1150 Mey Ontario.	Meyersi rio. Can	erside Drive, Mis	1150 Mcyerside Drive, Mississauga, Ontario, Canada, L5T 134	sauga,				ORIGINAL	TAI	, •.	Shipment No.: 4970	.: 4970
項目		網捲編號	1	-	Į	旗號		網種	表面	-	產品尺寸(MM)	(F	海蜇(KG)	KG)
Item		Coil No.	Ño.		Hea	Heat No.	St	Steel Grade	Finish	Thickox	Thickness x Width x Length	Length	Net Weight	eight
-	K,	KA10505990E1	90E10-1		All	A1101712		304	NO.4	1.2	$1.20 \times 1219 \times 2438$	438	1,160	90
2	K.	KA10505990E	190E10-2		AII	A1101712		304	NO.4	1.2	1.20 x 1219 x 2438	438	1,150	50
m	, K	A105088	KA10508840J20-1		A116	A1101752		304	NO.4	1.5	1.50 x 1219 x 2438	438	1,134	34
4	K	KA10508840J2	340320-2		A110	A1101752		304	NO.4	1.5	1.50 x 1219 x 2438	438	1,124	24
. 5		H5060	. 09		B990	B9904-2010		304	NO.4	0.7	0.70 x 1219 x 2438	438	1,148	8
9	K	KA10336430F10	430F10		A210	A2101090		304	NO.4	0.9	0.90 x 1219 x 2438	438-	1,158	28
Ŀ	**	KA10331970E20	970E20		AZH	A2101089		304	NO.4	3.0	3.00 x 1219 x 2438	438	1,120	50
		4	化學成	成份	ට්	Chemical Composition	ompositi	(%) uc		302	機械性質	Mecha	Mechanical Properties	es:
厨														
Ш										抗抗強度	路伏強度	1	通便	视度
Item	ပ	SS.	Mn	М.	ω	ථ	Ż	z .		T.S N/MM²	Y.S(0.2%) N/MM ²	Florig (%)	Hardness HRB	Hardness HV
_	0.040	0.460	1.130	0.039	0.001	18.100	8.000	0.050		686	288	55.0	87.5	1
2	0.040	0.460	1.130	0.039	0.001	18.100	8.000	0.050		989	288	55.0	87.5	,
3	0.040	0.460	1.110	0.036	0.007	18.200	8.000	0.040		663	325	56.0	83.0	•
4	0.040	0.460	1.110	0.036	0.002	18.200	8.000	0.040		663	325	56.0	83.0	,
5	0.046	0.488	1.201	0.032	9000	18.144	8.138	0.055		681	332	52.0	86.3	•
9	0.050	0.370	1.120	0.022	0.002	18.200	8.100	0.050		654	291	26.0	89.5	ı
7	0.050	0.410	1.200	0.035	0.002	18.400	8.100	0.060		639	313	64.5	83.5	,
茲幫明才	茲證明本表所列產品,均依材料規格製造及試驗,並符合規格之要求	調·類	农材料规	格製造及	試驗,並	符合規格	之要求。				for and	Le stended of	PP AINI PO	
We here!	We hereby certify that the product Satisfactory results in accordance	hat the pa	oducts de Isace with	scribed h	erein have	been mat	nufacturec	We hereby certify that the products described herein have been manufactured and tested with Sotisfacture results in scendance with the requirement of the above material exectification	ŧ.		STEEL	CO. L	STEEL CO. LID.	,
本梅品	本產品無 個射污染 ,並且不含求	1. 蓝月7	AGW.								7	,		
The mate Accords	The material described above is free irradiation and free mercury. Accordance With ASTM A240 And ASTM A480	bed shov	e is free in A240 Au	ee irradiation and free 0 And ASTM A480	M A480	mercury.						Aurharia	Aurhorized Signaturefe	

-

PO/Rel 16444

THYSSENKRUPP MATERIALS NA

STAINLESS STEEL ROUND BAR 303 STAINLESS .750" DIA X 144.0000" PART NO.

DART AEROSPACE

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

BL PEC-758034-001

19Mar12 Pg 1/1

Signed by:

6870 Highway 42 East Ghent, KY 41045-9615 (502) 347-6000

METALLURGICAL TEST REPORT NORTH AMERICAN

8/10/2011 Page: 1 Of

Date:

COPPER AND BRASS SALES, ATTING ACCOUNTS PAYABLE SOUTHFIELD Mail To: Cartificate: 662449 02 0925 023 Customer:

STAINLESS

NAS

COPPER AND BRASS SALES, INC STANTA FR SPRINGS COSTONER PICKUP Ship To: MT 43086-

.7500 tn 144.00 in Finish: Cold Draw pla/Thk: Length Leg Length: Corronion: CA 90670 REMARKS

> PRODUCT DESCRIPTION: 5400108557 Your Orders

LAN 75344 1

MAS Order:

Item Code:

ASTH A582/05 EN 10204 3.1, ASTM A484/08 AMS 56400 TYPE 1, QQS-764B COEDITION A Round Bar, Annealed, Cold Draw

EC. ROSS. EAP-MOD-CC, NO WELD REPAIR. MELITED AND MFG IN USA COMPLIES W/REQUIREMENTS OF DEARS BU DIRECTIVE 2002.95.

FREE FROM MERCURY AND LOW MELTING ALLOY COMPANIAMYTON

2019 OF 1 ALES

Bundle Weight Weight Burdle Burdle Weight Bunche Weight Wedght Bundle Meight Bindle Bundle Weight Bundle Weight Sundie Weight 1103 **3007005**

CM(Country of Mett) ES(Spain) US(United States) ZA(South Africa) JP(Japan) CHEMICAL ANALYSIS

Baco	5	Ç	8	ర	23	MODE	O#C	Ħ,	ME	A	8
	2011	190.	111	17.43	+38	1.81	.26	.053	87.8	. 029	.3530
			٠								
		BI									
		.30									

PROPERTIES MECHANICAL

	Day On the Conflictor
Elng % &D	37.09
RA 🛠	60°8°
UTS KSI	105.13 38.09
. 27S KSL	78.04
нв Мо.	180.0
4 4 K	N N
	8097005

NAS hereby certifies that the analysis on this certification is correct and the material meets the specifications stated.

OC ENGINEER

14

Indexed 30Jan12 by jessy Doc No. 126966

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

PO/Rel 16444

Signed by:

Certificate of Mill Test Results BL PEC-758034-002

Pg 1/1

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

STAINLESS STEEL ROUND BAR 303 STAINLESS 1.00" DIA X 144.0000" PART NO.

METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS 6870 HIGHWAY 42 EAST GHENT, KY 41045

THYSSENKRUPP MATERIALS 2821 LANGSTAFF ROAD CONCORD, ON LAKECE Mail To: 6870 HIGHWAY 42 EAST 007206 001 Certificate: 712109 Customer:

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON LAKSCE Ship To:

Date: 2/15/2012 Steel: 303

Page:

NAS Order: IN 0140609 01

Finish: CD

Corrosion

PEC236938 Your Order:

ASTM A582/05 EM 10204 3.1, ASTM A484/10 PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw

AMS 56400 TYPE 1, QQS-764B CONDITION A

EC. ROHS. RAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG IN USA COMPLIES W/REQUIREMENTS OF DEARS BU DIRECTIVE 2002.95. FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION REMARKS

4 H 144.00 1,008 1.0000 BE3487 2

Mark Pieces Commodity Code

--Length----

Weight

Size

Skid # Diameter

Product Id

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) ANALYSIS CHEMICAL

HEAT	Ē	ບ	çç	ម	8	N.	MO	×	M	ដា	
BORS	as	.0402	.0280	.0280 17.1530	.1790	.1790 1.7540 .2765		.0508 8.4565		.0355	
		ξ.	SI								
		.3365	.4330								

ťΩ E H EH AL ROPE Д MECHANICAL

Elng % 4D	29.74	
KA %	39.81	
UTS	105.11	
.2YS KSI	68.99	
HB No.	191.00 68.99 105.11 39.81 29.74	
₹ л н	R L	
Product 14	BE3487 2	

NAS hereby certifies that the analysis on this certification is correct and the material meets the specifications stated.

Technical Dept. Mgr.

Doc No. 128458 Indexed 17Feb12 by sissup1

1/1 84

19Mail

LHYSSENKRUPP MATERIALS NA

Signed by: FO/Rel 16444 BF 5EC-758034-004

"0000.84 X moN 0080, **ŽLYINLESS STEEL SHEET 304-2B**

resulting from tests made in approved labs. furnished by the producer of the metal, or data We certify that this is a true copy of the report

PART NO. DART AEROSPACE

Cereficate is generated automatically \ Cereficado es generado automaticamente \ Das Zeugrás wurde elatronisch arstett Name of expert / Nombre del experto / Name des Saciavartiandigen 1102/12/21. Alejandto Carillo Pronet*1 261 529 3393 ThyseenKrupp Stainless USA, LLC programme with adversary I conservable the toberlybû i manucut evi he susking. Free of radioactive contention No intentional additions of Mercury compounds were made or used hu subjuit) (Charo) of (quageté (busque échecodisque) i alametaeradithicand (chique yeurlyin): 85'675 / 638 42,204 (291 8.68 28 1000018282 119/996'86 45'638 \ 584 91'8201024 41,044 / 283 1000018338 Zβ 3,73 1000018218 18 6.63 128/515'16 982 / 847'17 119/996'25 21,563 / 259 28 9.08 **\$426100001** 75,549 / 292 94,706/653 edM / IS4 Paw / ISd en pechen lov Lole de inspecuión Prilitic "£A B X2'081 HRB **32R3V2NART** 200313 ATI | 290.0 8.02 **20.**Β1 0100.0 820,0 11,1 6.43 120'0 181002 39.1 020 ΥY 18:04 01000 120.0 990'0 8.00 820.0 91.8 19'12 0100.0 100'0 ΑTI 000000 10 % 5 % 40,873 to 1 18,540 kg _Z1200E 906904 15,207 15/8,898 kg 12 2012202 100000T 94561000001 10,551 lb / 4,785 kg X 102314 2012693 200000 1000019284 1000013293 0012000 100181 102915 1000018338 8428100001 receipphical Mr de Cerpanal Pares Mr. Heat No. dorf 0000.84 x donf 0000.0 mm 02.815,1 x mm S4.1 ASTH ALEO/AGOM, ASME SA 480 Sec. B.Part A Ed. 2010 ASTM AS40/AS40M, ASME SA-240 Socin Part A Ed.2010 TYPE 304L/304 Terrando de de la de la constante de la consta carquital brus arealist Lesson Lybero des eosty best COLUBOBIANEVAD 010/11649759 Delvary com na. (in the Entropy & Littler areafge in., 9011242251004 Amperiosatism's ambedienel collect at 1% to not not a cross successional referant & minetal cabilest set in 4 decimes a services 1 Thystenkings Drive; P.O. Box 13000; Celverl, AL 36513-1300 ered Labraid D I at ability an EN 10204-5.1 ASU aselnist2 qqurMneaayriT according to \ de acuerdo con \ nach Z / L SINDUSTRIORY SHEAKEN CERTIFICADO DE NISPECCION Thyssenkrupp INSPECTION CERTIFICATE 10879000000

1/1 **3**4

19Ma12

LHXSZENKKINDP MATERIALS NA

BF 5EC-128034-002

Signed by:

POWER 16444
We centify that this is a frue copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

DART AEROSPACE .Su' x 5.00" X 144.0000" PART NO.

CERTIFIED TEST REPORT

http://Online.KaisetAluminum.com





KALAMAZOO, MI 49048 5205 KAISER DRIVE FABRICATED PRODUCTS, LLC KAISER ALUMINUM

	ДАОЯ	THYSSENKRUPP CONCORD, ON LA		,	GAOA	CONCORD' ON F4I S8S1 FANGSTAFF I THYSSENKRUPP N
		SOLD TO:				:OT 9IH\$
12.000 FT			819209	ce	역 000.8 S	87 000.886
геиетн:	WIDTH:	DIAM/DAF/THKNS:	8/r nomber:		:YTITNAUQ	WEIGHT SHIPPED:
1169T	1909	HKS88 018	02/10/2012	1	100	613265
TEMPER:	:YÖJJA	KAISER LOT NUMBER:	SHIP DATE:		LINE ITEM:	KAISER ORDER NUMBER:
	SCT BAR	.500 X 5.000 SC RE	078	ALREC00		PEC-236804-1
		экорист резскіртіои:	:ЯЗВМОИ ТЯА	н яэмотгио	······································	CUSTOMER PO NUMBER:

Actual Physical Properties

61.0	50.0	AN	АИ	Av.	ST.0	0.25	28.0	1.20	SI'C	04.0	07.0	08.0	mumixsM
Tot	Ea	ΙZ	BŢ	qa	L. T.L	uz	ಸ್ರ	бм	пМ	ďΩ	₽æ	ŢS	LIMITS
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¥/Ñ	Α\N		76	ВE	8 21	5	365	0.8	7	ς	T (000	HK299 078
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A\N	A\N		26	ЭЯ	£ 21	C). I b	3.3	Þ	ε	T (000	HK299 078
A\N	A\N		76	BE	8.22	7	38.2	7.5	: Þ	7	I.	COC	HK299 078
Α\Ν	A\N		92	BE	9.22		38.5	3.8	ħ	τ	Ţ	000	HK299 078
BEND	TOUGT.	CQ7	DMESS	AAH	EFONGS	•	TS (KSI)	X (IS	urs (K	WELE#	IAS #	HSAG	REFERENCE

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00.0													muminiM
	au.u												mumixsM

Applicable Requirements:

ASTM-3221-08-STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 JUS#96061 (16511 a.so conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA (SHERMAN, TX) MELTED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, ILC hereby certifies that metal shipped under this order has been inspected and tested and found in Cantermance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general remains of the sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager

Sinh

Kaiser Order Number: 613265 Raiser Order Number: 613265 Page 1 of 1

BT LEC-128034-000 16W#15

I/I 84

DVKL VEKORÞVCE
LHAZZENKKINDD WYLKKIVIZ NV

PART AEROSPACE 250" x 3.50" X 144.0000" PART NO.

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

CERTIFIED TEST REPORT

Signed by:

moo.munimulAseisN.enilnO\\:qftp:





KAISER ALUMINUM 5205 KAISER DRIVE KALAMAZOO, MI 49048

	д ОАОЯ :	THYSSENKRUPP 2821 LANGSTAFF CONCORD, ON L		QAO <i>F</i>	THYSSENKRUPP N CONCORD, ON LAI
		2010 10:			:OT 9IHS
12.000 FT			602493	8.000 PCS	87 000 PB
геиедн:	:HTalW	DIAM/DAF/THKUS:	B/L NUMBER:	:YTITNAUQ	WEIGHT SHIPPED:
811691	1909	01060100Z	01/27/2012	7 00	612152
:язмыт	ALLOY:	КАІЗЕЯ ГОТ ИОМВЕЯ:	:3TAO 9IH2	LINE ITEM:	KAISER ORDER NUMBER:
	C WYNILOLD BAR 2	KAISERSELECT S	981	ALREC00	PEC-236318-4
		иотчяясь печения			CUSTOMER PO NUMBER:

Actual Physical Properties

Γ	BEND	соирист.	SDMESS	AH	Eronge	LLE (KEI)	OIS (KSI)	# BLISMAS	#H840	BELEBENCE
	A\N	A\N	96	RE	4.21	۲,23	6,7⋶	I	1000	01060100%
	$A \setminus N$	A\N	68	ਤਬ	₽.SI	₹ ' SS	7.78	Ţ	0000	010601002
				_		(70,)		_		0.70657005

Chemical Composition (wtw.), Aluminum Remainder

JOT.	12 H	32	ŢĦ.	qa	Ţ.L	uz	αg	ρM	πM	πp	E,e	FS	LIMITS
91.0	30.0	КУ	AN	ΑN	ST'0	62.0	35.0	02.1	21.0	04.0	OLTC	08.0	mumixsM
00.0	00.0	ΑN	AN	AN	00.0	00.0	₽0.0	08.0	00.0	21.0	00.C	0710	muminiM
εο.	το.	00.	001		٤0.	90.						٤٢.	101026

Applicable Requirements:

MANIFOLD BAR, SPECIAL STENCIL PER ASTM-B221-08, STENCILED PER AMS-QQ-A-200/8 MIN MECHANICAL PROPERITES AS FOLLOWS: UTS = £2.0 KSI MIN YIELD = 39.0 KSI MIN MINIMUM MECHANICAL PROPERITES AS FOLLOWS: UTS = £2.0 KSI MIN YIELD = 39.0 KSI MIN MINIMUM MECHANICAL DESCRIPTION = 10.0% MIN

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

CERTIFICATION

Kaiser Aluminum Jabricated Products, LLC hereby certifies that metal shipped under this order has been description set forth in Kaiser's sales acknowledgement form, Any warranty is limited to that shown or Kaiser's gonditions of sale. Test reports are on file, subject to examination.

YJCX KCh, Quality & "echnology Manager

Sinh

Flant Serial: 00027301 Kaiser Order Number: 612152 Line Item: 004 Page 1 of 1

2/1 gq _ 19Mai2 BF bec-128034-001 Signed by:__

resulting from tests made in approved labs. We certify that this is a true copy of the report furnished by the producer of the metal, or data

TOWINDM BOOMD BAR 6061-T6511 1:00" DIA X 144.0000" PART NO. DART AEROSPACE THYSSENKRUPP MATERIALS NA

2702 KYIZEK DKINE

KAISER ALUMINUM

FABRICATED PRODUCTS, LLC

CERTIFIED TEST REPORT

moo.munimulAtasisA.anilnO\\;atifd



FABRICATED PRODUCTS

	K 2C8 CENEDA KOAD MELERIALS NA	∃∃A	Z821 LANGST			GAO F	THYSSENKRUPP N 2821 LANGSTAFF I CONCORD, ON L4I
			зого до:				:OT 9IH2
12.000 FT			,	802648	80	92.000 PC	1020.000 LB
LENGTH:	:нтаім		DIAM/DAF/THKUS:	פער אחמשפע:		:YTITNAUQ	WEIGHT SHIPPED:
81139T	1909		Z80000,19	02/14/2012	"	500	194613
:Aamper:	ALLOY:	EK:	KAISER LOT NUMBI	SHIP DATE:		CINE ITEM:	KAISER ORDER NUMBER:
7 00`-/+0	RECISION ROD 1.00	IG TO	KAISERSELEC		015246-2		PEC-236860-3
		:NOIT9	РRODUCT DESCRI	:ABT NUMBER:	н язмотвио		CUSTOMER PO NUMBER:
		İ			•	8106	KALAMAZOO, MI 4

Actual Physical Properties

BEND	CONDUCT.	OMERS	IAAH	ETONG#	ALS (KSI)	OTS (KSI)	SAMPLE#	#HSAG	REFERENCE
A\N	A\N	66	RE	6 6 7	ን ' ፒ ፆ	9° <i>L</i> ħ	T00C	T000	P1.000082
A\N	A\N	ε6	BE	1.61	41.2	0.84	2000	T000	Z800000°14
$A \setminus N$	A\N	56	BE	S 61	3.0Þ	8.7 ₄	2003	T000	PI.000082
A\N	A\N	63	ВЕ	7 6 T	8.68	1.* 1.5	500C	1000	P1,000082
Α\Ν	A\N	83	BE	0,71	0.04	4.84	9000	1000	P1.00C062
A\N	A\N	66	ΞH	0,71	0.24	8.84	9000	T000	P1.000082
A\N	A/N	83	EE	6 8 T	8,84	7.8Þ	4000	0000	P1.000082
A\N	V/N	ε6	$_{\rm KE}$	STTS	5 . I b	9.74	8000	T000	PI.000082
A\N	A\N	Þ6	$_{\rm EE}$	2017	42.3	0.84	6000	T000	P1.000082
V/N	V/N	₽6	$_{\rm KE}$	78 6	6.IA	9.81	0000	1000	P1.000082
A\N	A\N	Þ6	สห	S 6T	9,64	Ď 18Þ	TTOO	1000	P1.000082
A\N	A\U	Þ6	ΞЯ	0 61	4.04	G.84	2100	1000	P1.000082
A\N	Α\N	₽6	RE	S 8T	9 ° T 7	6*81	8100	1000	P1.000082
Α\N	Α\N	5 6	BE	L†6T	42.0	2.8£	PTOO	T000	P1.000062
A\N	A\N	Þ6	BE	1 61	8 T7	8.74	5100	1000	P1.000062
A\N	A\N	Þ6	ая	7,02	7.22	8.84	9100	1000	P1.000082
Α\N	A/N	Þ6	ਸ਼ਸ਼	J 1 7	8.65	₽.8₽	4100	1000	P1.00C082
A\N	A\N	Þ6	BE	1812	38.0	1.84	3100	1000	P1.000082
Α\N	∀/N	56	ВE	102	9.65	1.84	6100	T000	P1.000082
Α\N	A/N	96	BE	9 ' L T	2.65	2.84	0200	1000	P1.000082
V/N	A/N	56	BE	0181	7.04	9.7 <u>4</u>	1200	1000	P1.000082
A\N	A\N	96	KE	9 81	7°TÞ	8.7 ₄	2022	1000	T1.000082
A\N	A\N	96	зы	7,02	9.04	L ' L b	2023	T000	P1.000082
A\N	A\N	96	$\mathbf{E}\mathbf{E}$	6.61	8.04	S' LV	0024	1000	PI.000082
A\N	A\N	96	38	5078	4 ° £ 5	L.84	2002	1000	P1,000082

Line Item: 003 Kaiser Order Number: 613461 Plant Serial: 00029902

Page 1 of 2

Z/Z &4

19Mar12 BF bEC-128034-001

resulting from tests made in approved labs.

PART NO. 1.00" DIA X 144.0000" ALUMINUM ROUND BAR 6061-T6511 DART AEROSPACE

furnished by the producer of the metal, or data We certify that this is a true copy of the report

Signed by:

CERTIFIED TEST REPORT

http://Online.KaiserAluminum.com

FABRICATED PRODUCTS

THYSERKRUPP MATERIALS NA

KALAMAZOO, MI 49048 2202 KAISER DRIVE FABRICATED PRODUCTS, LLC KAISER ALUMINUM

Chemical Composition (wtw.), Aluminum Remainder

JOT	163	z_{Z}	ŢĦ	वत	TI	uz	πa	би	пМ	ກວ	e,i	īS	SIIWIT
 9 T. 0	30.0	A7.	ΑN	ΑN	ST:0	22.0	2£.0	1,20	61.0	01.0	07.0	08.0	munixsM
00.0	00.0	AZ.	ΑN	ΑN	00.0	00.0	₽0. 0	08.0	00.0	61.0	00.0	01.0	muminiM
TO.	00.	oc.	το.	00.	٥٥.	εο.	oī.	46'	80.	rs.	₽€.	ε۲.	A32445

Applicable Requirements:

PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM MECHANICAL BEK YZLM-BNN1-08' ZLENCITED YZKE-ZBNNT 1888 ZECL II BEK YWZ-NÖ-F-NO0\3 0NZ#6061 WEELZ

Miscellaneous Notes

MANUFACTURED IN USA (COMMERCE, CA) MELTED IN USA

CERTIFICATION

inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form, Any warranty is limited to that shown on Kaiser's green's and conditions of sale. Test reports are on file, subject to examination. hereby certifies that metal shipped under this order has been Kaiser Aluminum Fabricated Products, LLC

Quality & Technology Manager

Tine Item: 003 Kaiser Ordor Number: 613461 Plant Serial: 00029902

Fage 2 of 2

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304-2B .1200 Nom X 48.0000" X 96.0000" PART NO.

PO/Rel 16444

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

19Mar 12 Pg 1/3

Certificate of Mill Test Results BL PEC-758034-003

7 235 號 13F 4th Road 1g. Taiwan.	PO No.: 82518 Shipment No.: 4970	(DX))単使	Net Weight	1,386	1,142	1,134	1,814	1,161	1,108	1,368	Mechanical Properties	-	延接 硬度	HRB HV	87.5	83.0	83.0	79.5	84.5	84.2	87.5	SET INTER	TURN CHANG SIRKEDOS.	
高雄市前金區中市型格 235 號 13F 13-F, No. 235, Jungjeng, 4th Road Chianjin Chiu, Kaohsiung, Taiwan.	Z 00		ength	48	488	48	38	38	38	48			仙長期	Elong (%)	55.0	56.0	56.0	58.0	57.5	56.3	55.0	on behalf of	CHANG 1.7 GO	· · · · ·
西維刊研 13-F, No. Chianjin C	ORIGINAL	產品尺寸(MM)	Thickness x Width x Length	1.20 x 1219 x 3048	1.50 x 1219 x 3048	1.50 x 1219 x 3048	1.50 x 1219 x 2438	0.90 x 1219 x 2438	3.00 x 1219 x 2438	1.20 x 1219 x 3048	機械性質		路公治板	Y.S(0.2%) N/MM ²	288	325	325	271	290	274	288	For end	N X C X X X X X X X X X X X X X X X X X	9 4 5
'ATE	ORIC	珊	Thicknes	120	1.50	1.50	1.50	06'0	3.00	1.20	鎌		抗拉強度	T.S N/MM²	989	693	663	658	859	640	989			
明書 CERTIFIC		表面	Finish	NO.4	NO.4	NO.4	2B	28	2B	28													T.	
檢驗證明書 INSPECTION CERTIFICATE	i i	製製	Steel Grade	304	304	304	304	304	304	304	ion (%)			z	0.050	0.040	0,040	0.040	0.040	0.054	0.050	•	We hereby certify that the products described herein have been manufactured and tested with	cult. is accompanie with the remirrement of the above material specification.
INS.		_	St					-	-	-	mposit			Ź	8.000	8.000	8.000	8.000	8.000	8.063	8.000	之 要求	ufacture	materia
£.	auga,	金	Heat No.	A1101712	A1101752	A1101752	A2101743	A2101093	89857-4000	A1101712	Chemical Composition			ర	18 100	18,200	18.200	18.200	18,000	18.075	_	及證明本表所列產品,均依材料規格製造及試験,並符合規格之要求	e been man	of the above
со, г	nc. Mississ	. 1	Hea	A11	A11(A11(AZL	A21	B985	A114	ີ່			S.	000	0.002	0.002	0.001	0.007	0.003	0.003	1. 海流	erein hav	irement (
公司 ESS STREL CO., LTD.	Global Stainless Steel Inc. 1150 Meyerside Drive, Mississauga,	Onterio, Canada, Lou 194				ļ. 	_		-		\$			A,	0.030	0.036	0.036	0.037	0.035	0.033		格製造及	scribed h	h the real
f限公司 INLESS S	1 Stainle Meyersic	で で で で で で で で で で で で で で り で り で り で	ó.	90E10-3	40120-3	40120-4			7	OCHOO	4 學成			Ş.	1 130	1.110			1.170		1 130	依材料規	roducts de	dance wit
運緝網鐵股份有限 YUEN CHANG STAINL	Global Sta 1150 Meye	MAKENO,	Coll No.	KA10505990E1	KA10508840J20-3	KA1050884012	KA10505150E1	K A 10336420D	HARRALI	0CH00000011	2015			š	0.460	0.460	0.460	0.320	0 390	0.414	0.460	簡品を	that the p	34.000
昌綱鐵 IN CHA	客戶名稱			\ <u>\</u>	 	¥ ×	X	* ×		1	4			ပ	0000	0.040	0.040	0.050	0.040	0.046	0.000	表所列	y certify	4000
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-2-

Satisfactory results in accordance with the requirement of the above material specification.

The material described above is free irradiation and free mercury. Accordance With ASTM A240 And ASTM A480

本產品無幅射污染,並且不含汞。

PURCHASE ORDER

Purchase Order ID PO16444

PO Print Date 3/14/12 Purchase Order Date 3/14/12

Tel: 613 632 9577 Hawkesbury, ON K6A 1K7 1270 Aberdeen Street Dart Aerospace Ltd.

Fax: 613 632 1053



Page Number 1 of 3

 $\nabla \nabla$ TORONTO, ON MSW 5V8 O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A" THYSSENKRUPP MATERIALS CA LTD

Vendor Account Nbr Terms Tax Resale Nbr **EE06 8EL 506** Vendor Fax Requisition Nbr *ヤ†††*6 699 \$06 Vendor Phone

Destination-Collect **EOB** Currency CVD

Taxable Unit of Measure Red Qty/ Red Date/

Buyer

3/23/17

Yes

HAWKESBURY, ON K6A 1K7

AC-COb001

303 Round Bar 0.750

DART AEROSPACE LTD

&CO OST.OAEOEM

Mevision ID

Line Nbr Reference

: oT qid2

Contact Name

Order From:

Vendor Part Number

al gim

Description\

CANADA

1270 ABERDEEN

303 Round Bar 1.00

304/316 0.125 Sheet

Special Inst:

Special Inst:

 $\sqrt{c_0}^{000.19E0EM}$

M304S11GA

MATERIAL: AISI 304/316 SS SHEET Special Inst:

Yes

3/23/12

PER ASTM A582

χęs

3/23/15

PER ASTM A582

YUNEALED 2B FINISH

AS MIL-S-5059 OR AMS 5513 (304) OR

AMS 5524 (316)

NOTE: AISI 304/316 NOT ACCEPTABLE

MATERIAL: AISI 303 SS ROUND BAR AS

NOTE: AISI 304/316 NOT ACCEPTABLE

MATERIAL: AISI 303 SS ROUND BAR AS

JS

32.00

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Ship Method

Net 30

10177-2607

Chantal Lavoie

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OR ASTM A240 OR ASME \$A240

Certificate of Conformity or Material consent. No substitution or deviation without

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Unit Price

\$310.40

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Price

Extended

Certification required when applicable

Change Date: 3/14/12

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LUBCHASE ORDER

Purchase Order ID PO16444

Purchase Order Date 3/14/12 PO Print Date 3/14/12

Certificate of Conformity or Material Certification required when applicable

consent.

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053



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Change Date: 3/14/12

PURCHASE ORDER

Purchase Order ID PO16444

PO Print Date 3/14/12 Purchase Order Date 3/14/12

Tel: 613 632 9577 Hawkesbury, ON K6A 1K7 1270 Aberdeen Street Dart Aerospace Ltd.

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Page Number 3 of 3

AC-COb001

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Buyer

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SHEEL

T6/T651/T6510/T6511/T62 ALUMINUM

Tax Resale Nbr

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AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 **KOUND BAR**

4115/4116 OR QQ-A-200/8 OR AMS-QQ-OR AMS 4117/4128/

OR ASTM B211 OR ASTM B221 A-200/8 OR AMS 4160

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384.00 3/53/17

AMS 4025 OR AMS 4027 OR ASTM B209

AS PER QQ-A-250/11 OR AMS-QQ-A-

MATERIAL: 6061-T6/T62 ALUMINUM

355 January 1990 Sheet

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Chantal Lavoie

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£9.261,E\$

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BEO'D UPON DELIVERY MATERIAL CERTIFICATION

JS

REO'D UPON DELIVERY CERTIFICATE OF CONFORMITY

Certification required when applicable Certificate of Conformity or Material consent. No substitution or deviation without

Change Date: 3/14/12

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